

## “This is your heart calling. Please pick up.”

### U of U innovator starts company to create wireless health devices



Your Bluetooth earpiece may someday save your life, by monitoring your EEG, EKG, cardiovascular performance and other measurements, and alerting your doctor or caregiver, particularly if there's an emergency.

And that's just one of the projects underway in the lab of Massood Tabib-Azar, a USTAR biomedical engineering researcher at the University of Utah. Tabib-Azar has started a new company called Utah Wireless Health Systems to commercialize small, lightweight, low-power devices that meet critical health care needs.



### A pill bottle that talks your language

Tabib-Azar is also working on other innovations that employ micro- and nano-based wireless technology in the healthcare industry.

One such device is a “smart cap” that alerts and communicates with vision-impaired patients and medical staff, ensuring patients take the right medication at the right time.



### Nanotech: A healthcare market opportunity

The global market for medical devices reached an estimated \$209 billion in 2006 and is expected to grow with an average annual rate of 6-9% through 2010. At the same time, the demand for nanotechnology medical products is expected to reach \$53 billion in 2011.



In terms of research recruitment, funding, equipment, and new research buildings, USTAR is focusing considerable resources on the convergence of the nanotechnology and biomedical device markets.

### Innovation-based economic development

**Impact:** Utah has long displayed strengths in biomedical devices, and USTAR is leveraging and extending those advantages.

#### USTAR focus areas:

1. Diversify Utah's economy with high quality jobs
2. Build Utah's innovation infrastructure
3. Recruit & grow world-class research talent
4. Commercialize technology and promote innovative entrepreneurship statewide

more info

**visit** <http://newmedia.innovationutah.com>  
**contact** Ted McAleer, Executive Director  
(801) 538-8709 [tmcaleer@utah.gov](mailto:tmcaleer@utah.gov)